# FORM HDP-1449 (Based on Form PTO-1449)

### PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

Sheet I of 3

ATTORNEY DOCKET No.	SERIAL NO.
8564-000045/US/DVA	DIVISIONAL OF 09/683,004
APPLICANT	
William E. RUSSELL II, et al	
FILING DATE	GROUP
June 30, 2003	3641

Ref. Desig.	Examiner's Initials	Document Number	Date	Name		Class/ Subclass	(If approp Filing Dat	•			
· · ·	<u> </u>	<u> </u>	·	<u> </u>	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	<u></u>	<del></del>			
ORE	GN PATENT I	OOGUMENTS!									
ef. esig.	Examiner's Initials	Document Number	Date	Country		Class/ Subclass	Translatio Yes	n No			
	<u> </u>		· ·	<u> </u>	·			-			
	<u> </u>	<u> </u>	<u> </u>	<u> </u>	·	<u>L</u>		<u> </u>			
FHE	RDOCUMENT	S!(including Author Title,	Date Pertinent	Pages, etc.)							
ef. esig.	Examiner's Initials										
	20	Hamida, S. Ben et al. "The need for improving the exploration operators for constrained optimization problems." the 2000 Congress on Evolutionary Computation, San Diego, USA, 1989.									
		Michalewicz, Zbigniew ct Nonlinear Constraints." Pr 651, 1991.									
		Schoenauer, Marc et al. "I from Nature, W. Ebeling a	Evolutionary Con nd HM. Voigt (	nputation at the Edge of eds.), Springer-Verlag, j	Feasibility." Pr	roc. 4 <sup>th</sup> Conf. Par 96.	allel Problems	Solving			
		from Nature, W. Ebeling and HM. Voigt (eds.), Springer-Verlag, pp. 573-580, 1996.  Back, Thomas et al. "A Survey of Evolution Strategies." Proc. 4th Intl. Conf. Genetic Algorithms, R.K. Belew and L.B.									
		Booker (eds.), Morgan Kau	ıffman, pp. 2-9, 1	991.							
	.:		n the Use of Non	-Stationary Penalty Fun	ctions to Solve putation, D.B. F	Nonlinear Const logel (ed.) IEEE	rained Optimiz Press, pp. 579	ation 584,			
		Booker (eds.), Morgan Kat Joines, Jeffrey A. et al. "O Problems with GA's." Prod	n the Use of Non :. 1st IEEE Intl. C	-Stationary Penalty Fun conf. Evolutionary Comp the fitness function for	putation, D.B. F	ogel (ed.) IEEE	Press, pp. 579	ation 584,			
		Booker (eds.), Morgan Kau Joines, Jeffrey A. et al. "O Problems with GA's." Proc 1994.  Eiben, A. E. et al. "SAW-in	n the Use of Non :. 1st IEEE Intl. Cong Ig EAs: adapting Il, London, D. Cong ptive Penalty Me	-Stationary Penalty Fundent Evolutionary Computer fitness function for orne, M. Dorigo, F. Glothods for Genetic Optin	putation, D.B. F solving constrai ver (eds.), pp. 3	ogel (ed.) IEEE ined problems." J 89-402, 1999.	Press, pp. 579  New Ideas in	584,			
		Booker (eds.), Morgan Kat Joines, Jeffrey A. et al. "O Problems with GA's." Proc 1994.  Eiben, A. E. et al. "SAW-ir Optimization. McGraw-Hi Coit, David W. et al. "Ada	n the Use of Non :. 1st IEEE Intl. Cong Ig EAs: adapting Il, London, D. Cong prive Penalty Menoputing, 8(2): 173 RMOSA-B: A B	-Stationary Penalty Fun conf. Evolutionary Comp the fitness function for orne, M. Dorigo, F. Glo thods for Genetic Optin 3-182, 1996. OILING WATER REA	solving constrainver (eds.), pp. 3 mization of Cons	ogel (ed.) IEEE med problems."   89-402, 1999. strained Combina E FUEL MANA	Press, pp. 579  New Ideas in atorial Problem	584,			
		Booker (eds.), Morgan Kat Joines, Jeffrey A. et al. "O Problems with GA's." Proc 1994.  Eiben, A. E. et al. "SAW-ir Optimization. McGraw-Hi Coit, David W. et al. "Ada INFORMS Journal on Com Moore, Brian R. et al. "FO	n the Use of Non :. 1st IEEE Intl. Cong Ing EAs: adapting Il, London, D. Cong ptive Penalty Menanting, 8(2): 173 RMOSA-B: A B GE. "Nuclear Te OSA-B: A Boiling	-Stationary Penalty Fundenf. Evolutionary Computer fitness function for orne, M. Dorigo, F. Glothods for Genetic Optinis-182, 1996.  OILING WATER REAchnology, Vol. 126, pp.	putation, D.B. F solving constrai ver (eds.), pp. 3 nization of Cons CTOR IN-COR 153-169, May	ogel (ed.) IEEE ined problems."  89-402, 1999. strained Combinate E FUEL MANA	Press, pp. 579  New Ideas in  atorial Problem  GEMENT	584,			
		Booker (eds.), Morgan Kat Joines, Jeffrey A. et al. "O Problems with GA's." Proc 1994.  Eiben, A. E. et al. "SAW-ir Optimization. McGraw-Hi Coit, David W. et al. "Ada INFORMS Journal on Com Moore, Brian R. et al. "FO OPTIMIZATION PACKA Karve, A.A. et al. "FORM	n the Use of Nonce. 1st IEEE Intl. Cong EAs: adapting II, London, D. Coptive Penalty Meaputing, 8(2): 173 RMOSA-B: A B GE. "Nuclear Te OSA-B: A Boilin).	-Stationary Penalty Fundent Evolutionary Computer Evolutionary Computer Evolutionary Computer Evolution for Orne, M. Dorigo, F. Glochods for Genetic Optiminals, 1996.  OILING WATER REAchnology, Vol. 126, pp. 12	putation, D.B. F solving constrai ver (eds.), pp. 3 nization of Cons CTOR IN-COR 153-169, May re Fuel Manager	rogel (ed.) IEEE ined problems."   89-402, 1999. strained Combinate E FUEL MANA 1999. ment Optimization	Press, pp. 579  New Ideas in  atorial Problem  GEMENT  on Package II,	584, is."			

	$\Lambda I$	<b>`</b>	· · _			, .		
Examiner:	N	٨	labrica	Date Considered:	3/4/	04	•	

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

# FORM HDP-1449 (Based on Form PTO-1449)

#### PATENT AND TRADEMARK OVEICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

Sheet 2 of 3

	• .
ATTORNEY DOCKET No.	SERIAL NO.
8564-000045/US/DVA	DIVISIONAL OF 09/683,004
APPLICANT	
William E. RUSSELL II et al.	• •
FILING DATE	GROUP
June 30, 2003	3641

1.44	TENT DOCU		33-13-13-13-13-13-13-13-13-13-13-13-13-1	TI		
ig.	Examiner's Initials	Document Number	Date _	Name	Class/ Subclass	(If appropriate) Filing Date
	R	5636328	06/03/1997	Kautz et al.		
		6031984	02/29/2000	Walser		
		5267346	11/30/1993	Maruyama et al.		
		5530867	06/25/1996	Beran		
		5855009	12/29/1998	Garcia et al.		
•	Ψ	5940816	08/17/1999	Fuhrer et al.		
	9	6272483	08/07/2001	Joslin et al.		
		<u> </u>				
REI(	CNPATENTI					
(El	GNIPATENTU Examiner's				Class/	Translation
		OCUMENTS 21	Date	Country	Class/ Subclass	Translation Yes No
	Examiner's	OCUMENTS:	Date	Country		
g <u>:</u>	Examiner's Initials	OCUMENTS Document Number				
g <u>:</u>	Examiner's Initials  DOCUMENT	OCUMENTS Document Number	Date  Date  Title Date Pertinent			
ER.	Examiner's Initials	OCUMENTS Document Number				
ER.	Examiner's Initials  DOCUMENT  Examiner's	OCUMENTS Document Number				
g <u>:</u>	Examiner's Initials  DOCUMENT  Examiner's	OCUMENTS Document Number				

Examiner:	7	alabia	 Date Considered:	3/41	04
			 	*** *	

XAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not a conformance and not considered. Include copy of this form with next communication to applicant.

# FORM HDP-1449 (Based on Form PTO-1449)

### PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)

Sheet 3 of 3

Examiner:

ATTORNEY DOCKET NO.	SERIAL NO.
8564-000045/US/DVA	DIVISIONAL OF 09/683,004
APPLICANT	
William E. RUSSELL et al.	
FILING DATE	GROUP
June 30, 2003	3641

24103	TENT DOGUN	The state of the s		<b>新疆(《新疆》》。 《 新疆》 《 新疆》 《 1882年</b>	- PLANESTE NEW YORK	· · · · · · · · · · · · · · · · · · ·
ig.	Examiner's Initials	Document Number	Date	Name .	Class/ Subclass	(If appropriate) Filing Date
	P RP	6345240	02/2002	HAVENS		
	TR.	6311313	10/2001	CAMPORESE ET AL.		
	<del>   </del>					
						;
	<del> </del>		<del>                                     </del>			
		<del>                                     </del>	<u> </u>		<del></del>	
-			<del>                                     </del>			
<del></del>	<del></del>					
			<u></u>			
ŒĮ	GN PATENT I	OCUMENTS				
	Examiner's	Document	Data	Country	Class/	Translation No.
	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Yes No
		•	Date	Country		Yes No
ig.		•	Date	Country		
		•	Date	Country		Yes No
g.	Initials	Number				Yes No
g.	Initials	Number				Yes No
g. Ek	Initials  DOGUMENT  Examiner's	•				Yes No
g. LER	Initials  DOGUMENT	Number  Siincluding Author, Title	Dates Pertinent	Pages, etc.)	Subclass	Yes No
g	Initials  DOGUMENT  Examiner's	S. (including Author, Title)  CRC Handbook of Mather	Date Pertinent	Pages, etc.)  Sth Edition, William H. Beyer, CRC	Subclass  Press, 1985.	Yes No
g. LER	Initials  DOGUMENT  Examiner's	S. (including Author, Title)  CRC Handbook of Mather  Karve et al. "Effectivenes	Date Pertinent	Pages, etc.)	Subclass  Press, 1985.	Yes No
g. Ek	Initials  DOGUMENT  Examiner's	S. (including Author, Title)  CRC Handbook of Mather  Karve et al. "Effectivenes	Date Pertinent	Pages, etc.)  5th Edition, William H. Beyer, CRC	Subclass  Press, 1985.	Yes No

XAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not a conformance and not considered. Include copy of this form with next communication to applicant.

Date Considered:

Sheet	1 of 1 MATION DISCLOSUR	E L ATTY	DOCKET NO.	<b>●</b>	DIV	ISIONAL O	F	<del></del>
iler On	CITATION				4		•	
	OTTATION.		64-000045/us/dva	09/	<u>683.00</u>	)4		<u> </u>
		APPLI	CANT					
		RUS	SELL, II					
[Uso	e several sheets if necessary)	FILING	DATE	GRO	UP	111		
		Jui	ne 30, 2003	364	1			
			U.S. PATENT DOCUMENTS		***			
EXAMINER					1144			ING DATE
INITIAL	4,330,367	DATE 05/1982	NAME MUSICK		CLAS	S SUBCLAS	S IF AP	PROPRIATI
-/-	4,459,259	07/1984	COLLEY		<del> </del>			<del></del>
	4,552,718	11/1985	IMPINK			<del></del>	-	
	4,853,175	08/1989	BOOK, Sr.	<del>, -:</del> -			-	
-	4,997,617	03/1991	NEWTON et al.					
	5,023.045	06/1991	WATANABE et al.		-	+		<del></del>
	5,091,139	02/1992	CHAO et al.	· · · · · · · ·		-		
	5,171,516	12/1992	IWAMOTO			-		<del></del>
	5,272,736	12/1993	WOLTERS, Jr. et al.			+		
	5,309.485	05/1994	CHAO	<del></del>		<del></del>		<del>-:-:-</del>
	5,311,562	05/1994	PALUSAMY et al.	·		<del>                                     </del>	-	<del></del>
<del></del>	5,392,320	02/1995	CHAO	<del></del> -	<del></del>	+	-	<del></del>
	5,438,527	08/1995	FELDBAUMER et al.			+		<del></del>
	5,631,939	05/1997	HARAGUCHI et al.			<del>                                     </del>		1.1
	5,726,913	03/1998	GRIMSRUD			<del>                                     </del>	1	
	5,790,616	08/1998	JACKSON		<del></del>	<del> </del>	-	<del> </del>
	5,790.618	08/1998	FAWKS, Jr.				<del> </del>	<del></del>
	5,793,636	08/1998	COONEY et al.		<del></del>		<del> </del>	
	5,812,622	09/1998	CHANG et al.		<del> </del>		1	
<del>-  /  -</del>	5,859,885	01/1999	DUONIO				1	
¥ 0	5,923,717	07/1999	FAWKS Jr.		: :-			<del></del>
1/	5,009,833	04/1991	TAKEUCHI et al.		<del></del>			<del></del>
-   *   -				5,45,				
		FO	REIGN PATENT DOCUMENTS		· · · ·			
					O1 4 C C	CUDOL ACO		LATION
	DOCUMENT	DATE	COUNTRY		CLASS	SUBCLASS	YES	NO
	0 786 782 A1	7/1997	EUROPEAN					
	0 823 712 A1	2/1998	EÙROPEAN		<del>  </del>			
	198 45 988	4/1999	GERMANY		-			X
	44 16 463	11/1994	GERMANY		7 1 1 3 2 2 2 1			X

DOCUMENT	DATE	COUNTR	γ.	CLASS	SUBCLASS	TRANSLATION YES NO
0 786 782 A1	7/1997	EUROPE	AN	T		
0 823 712 A1	2/1998	EUROPE	AN			
198 45 988	4/1999	GERMAN	IY .	1		X
44 16 463	11/1994	GERMAN	ΙΥ			X

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) PATENT ABSTRACTS OF JAPAN, 04132995, publication date 5/7/1992; Shiraton Yoshitake, "Expert System System of Planning for Fuel Replacement". Supporting Preparation of Planning for Fuel Replacement Date Considered

examiner. Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.